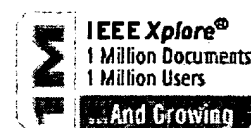**IEEE HOME I SEARCH IEEE I SHOP I WEB ACCOUNT I CONTACT IEEE**

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1 **Dynamic reconfiguration for high level in-vehicle applications using IEEE-1394**
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[Abstract]   [PDF Full-Text (684 KB)]   **IEEE CNF**

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2 **Home network middleware architecture for supporting both dynami reconfiguration and real-time services**
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3 **Integrating IEEE 1394 as infotainment backbone into the automotiv environment**
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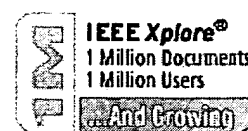Pages:2026 - 2031 vol.3

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2 **A design-diversity based fault-tolerant COTS avionics bus network**
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3 **IEEE 1394: a ubiquitous bus**
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6 IEEE 1394: changing the way we do multimedia communications
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11 Priority queue-based IEEE 1394 device driver for supporting real-ti characteristics
Hyo-Sang Lim; Dong-Hwan Park; Soon-Ju Kang; Pong-Jin Oh;

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12 **An analysis of the performance of TCP over IEEE 1394 home netwo**
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14 **Simple channel allocation method for IP multicast over IEEE-1394
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Gyung-Gui Moon; Hyo-Jun Lim; Chong-Kwon Kim;
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Pages:384 - 385

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15 **Loop prevention for IEEE 1394 network**
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1 Proceedings - only: Position paper: the role of platforms and operating systems in supporting home networks   ▭
Nigel Davies, Pierre-Guillaume Raverdy
September 2000 **Proceedings of the 9th workshop on ACM SIGOPS European workshop: beyond the PC: new challenges for the operating system**
Full text available: ⧉ pdf(37.75 KB)   Additional Information: full citation, abstract, references

   As researchers look beyond the PC there is increasing interest in developing and deploying
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   applications such as the purchase of on-line AV content, tight coupling between kitchen
   sensors and "Web Van" order forms, and home remote control. From a manufacturers
   perspective, particularly those manufacturers traditionally associated with b ...

2 GFX Linux as a Video Desktop   ▭
Robin Rowe
February 2001 **Linux Journal**
Full text available: ⧉ html(13.04 KB)   Additional Information: full citation, index terms

3 Inventing the networked home: Sun, 3 Com, and other companies share their visions   ▭
of the future at CES
Brent Butterworth
March 2000 **netWorker**, Volume 4 Issue 1
Full text available: ⧉ pdf(1.56 MB)   Additional Information: full citation, index terms

4 Using TAME to prove invariants of automata models: Two case studies   ▭
Myla Archer, Constance Heitmeyer, Elvinia Riccobene
August 2000 **Proceedings of the third workshop on Formal methods in software practice**
Full text available: ⧉ pdf(658.56 KB)   Additional Information: full citation, abstract, references, citings, index terms

   TAME is a special-purpose interface to PVS designed to support developers of software

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systems in proving properties of automata models. One of TAME's major goals is to allow a software developer who has basic knowledge of standard logic, and can do hand proofs, to use PVS to represent and to prove properties about an automaton model without first becoming a PVS expert. A second goal is for a human to be able to read and understand the content of saved TAME proofs without running them throug ...

Keywords: Software engineering, formal methods, software requirements analysis, theorem proving, verification

5 <u>SMC: a symmetry-based model checker for verification of safety and liveness properties</u>
A. Prasad Sistla, Viktor Gyuris, E. Allen Emerson
April 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 9 Issue 2

Full text available: <u>pdf(217.86 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

The article presents the SMC system. SMC can be used for checking safety and liveness properties of concurrent programs under different fairness assumptions. It is based on explicit state enumeration. It combats the state explosion by exploiting symmetries of the input concurrent program, usually present in the form of identical processes, in two different ways. Firstly, it reduces the number of explored states by identifying those states that are equivalent under the symmetries of the syst ...

Keywords: automata, model checking

6 <u>The digital atheneum: new approaches for preserving, restoring and analyzing damaged manuscripts</u>
Michael S. Brown, W. Brent
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Full text available: <u>pdf(2.30 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper presents research focused on developing new techniques and algorithms for the digital acquisition, restoration, and study of damaged manuscripts. We present results from an acquisition effort in partnership with the British Library, funded through the NSF DLI-2 program, designed to capture 3-D models of old and damaged manuscripts. We show how these 3-D facsimiles can be analyzed and manipulated in ways that are tedious or even impossible if confined to the physical manuscript. ...

Keywords: digital libraries, digital preservation, document analysis, humanities computing, restoration

7 <u>Columns: Public policy: domain names, digital television, CFP2000, ACM book on intellectual property and third on-line survey</u>
Bob Ellis
February 2000 **ACM SIGGRAPH Computer Graphics**, Volume 34 Issue 1

Full text available: <u>pdf(558.68 KB)</u>   Additional Information: <u>full citation</u>

8 <u>Dynamic channel allocation in wireless ATM networks</u>
A. Krämling, M. Scheibenbogen, B. Walke

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November 2000 **Wireless Networks**, Volume 6 Issue 5
Full text available: pdf(248.90 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

9 Real-world relativity: image-based special relativistic visualization
Daniel Weiskopf, Daniel Kobras, Hanns Ruder
October 2000 **Proceedings of the conference on Visualization '00**
Full text available: pdf(682.20 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

   Keywords: image-based rendering, plenoptic function, scientific visualization, special relativity

10 Kernel Korner: The Bullet Points: Linux 2.4 - Part Deux
Joe Pranevich
September 2000 **Linux Journal**
Full text available: html(19.34 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

   This article should be considered an addendum to my previous "Bullet Points" article and my follow up piece on ISA PnP support in Linux 2.4 (February, 2000.)

11 A generic architecture for on-chip packet-switched interconnections
Pierre Guerrier, Alain Greiner
January 2000 **Proceedings of the conference on Design, automation and test in Europe**
Full text available: pdf(100.74 KB)
                            Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>
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12 Customization of object request brokers by application specific policies
Bo Nørregard Jørgensen, Eddy Truyen, Frank Matthijs, Wouter Joosen
April 2000 **IFIP/ACM International Conference on Distributed systems platforms**
Full text available: pdf(160.32 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

   This paper presents an architectural framework for customizing Object Request Broker (ORB) implementations to application-specific preferences for various non-functional requirements. ORB implementations are built by reusing a domain-specific component-based architecture that offers support for one or more non-functional requirements. The domain-specific architecture provides the mechanism that allows the ORB to reconfigure its own implementation at run-time on the basis of application-specif ...

13 System management and automatic reconfiguration algorithms for in-home digital networks
András Montvay
October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 2)**
Full text available: pdf(254.98 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

   Keywords: automatic reconfiguration, graph mapper, in-home digital network, system management

14 Technology survey: future perfect
Stephan Somogyi
November 1999 **interactions**, Volume 6 Issue 6
Full text available: pdf(545.39 KB)   Additional Information: full citation, index terms

15 Next century challenges: data-centric networking for invisible computing: the Portolano project at the University of Washington
Mike Esler, Jeffrey Hightower, Tom Anderson, Gaetano Borriello
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking**
Full text available: pdf(1.03 MB)   Additional Information: full citation, references, citings, index terms

16 A floorplan-based planning methodology for power and clock distribution in ASICs
Joon-Seo Yim, Seong-Ok Bae, Chong-Min Kyung
June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**
Full text available: pdf(1.19 MB)   Additional Information: full citation, references, citings, index terms

17 Digital copy protection and SIGGRAPH public policy WWW pages
Bob Ellis
August 1998 **ACM SIGGRAPH Computer Graphics**, Volume 32 Issue 3
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   This column covers a policy issue I haven't discussed before: digital copy protection. I also
   have an update on plans for SIGGRAPH's Public Policy Web pages and a procedural item.

18 The end of the CRT?
Bob Myers
May 1997 **ACM SIGGRAPH Computer Graphics**, Volume 31 Issue 2
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   Several technologies are becoming serious challengers to the time-honored cathode ray
   tube (CRT) as the display of choice for desktop use. This shift alone will have an impact on
   graphics hardware and software, but there are potentially greater changes on the horizon
   as these displays move off the desktop. This article examines the transition away from the
   CRT display, the changes this transition will demand from the rest of the computer system
   and what might be enabled by these new technologies ...

19 UIST'007 (panel): where will we be ten years from now?
Robert J. K. Jacob, Steven K. Feiner, James D. Foley, Jock D. Mackinlay, Dan R. Olsen
October 1997 **Proceedings of the 10th annual ACM symposium on User interface software and technology**
Full text available: pdf(567.74 KB)   Additional Information: full citation, citings, index terms

   Keywords: UIST'2007, future, human-computer interaction, prediction, user interface
   software and technology

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20 Introduction—the electric garden

Rick Hopkins

January 1997 **ACM SIGGRAPH 97 Visual Proceedings: The art and interdisciplinary programs of SIGGRAPH '97**

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